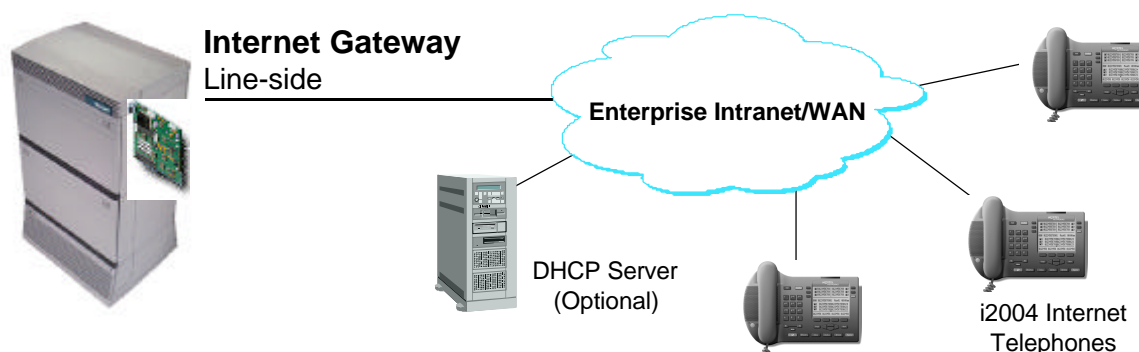


# Meridian Internet Telephony Gateway (ITG) Line 2.0



With today's widespread deployment of Internet Protocol (IP) networks, companies are looking for new ways to maximize their investments by converging their voice and data network infrastructures. The Meridian Internet Telephony Gateway (ITG) Line 2.0 is a new product that provides an integrated solution for high-quality voice transmission over an IP network.

## Application

Meridian ITG Line 2.0 is just one of the stepping stones toward the convergence of voice and data on the Meridian 1 platform. With this product, an existing IP-based data network can be used for voice traffic. On a path to a truly converged network, the Meridian ITG Line 2.0 ultimately will simplify management and reduce facilities costs. In addition, Meridian ITG Line 2.0 allows

network consolidation by reducing the facilities required for communications.

## Technology

Meridian ITG Line 2.0 is a 2-slot Intelligent Peripheral Equipment (IPE) card for the Meridian 1 system that packetizes and compresses voice for transmission over an IP data network.

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Meridian ITG Line 2.0 allows users to take advantage of the flexibility to meet diverse needs through an ever-increasing choice of desktop appliances. Customers can choose the appropriate device depending on the application. Along with existing Meridian Digital Telephones, USB devices, and software clients, customers can now add the i2004 Internet Telephone to the broad portfolio of Nortel Networks telephones.

In addition to the benefits realized at the desktop, providing IP network access on Meridian 1 systems also simplifies management and reduces support costs. Internet telephones connected to the Local Area Network (LAN) simplify management with the potential for a unified wiring scheme that enables easier moves, adds, and changes. And as ubiquitous LAN access becomes common place, service to and productivity of remote users will improve in small, geographically dispersed environments.

Operations, administration, and maintenance (OAM) for Meridian ITG Line 2.0 is performed using Meridian Administration Tools (MAT) or Optivity Telephony Manager (OTM). On the switch side, X11 Release 25 or later software is required.

## Components

The Meridian ITG Line 2.0 solution consists of the following components:

*Meridian ITG Line 2.0 Systems Package*, which includes a 24-port line card that supports up to 96 i2004 Internet Telephones

*i2004 Internet Telephone*, which provides powerful enterprise features and connects directly to the LAN.

The Meridian 1 system on which the customer is installing the card onto must be running Release 25 software or greater.

## Benefits

By delivering Internet-enabled line-side functionality to Meridian 1 systems, the Meridian ITG Line 2.0 solution provides the following benefits:

Enables communication between a circuit-switched telephony network and IP clients.

Reduces communications and support costs

Deploys easily in a Meridian 1 network

Complies with standard codecs (G.711, G.723.1, G.729B, G.729AB)

Builds on the reliability and feature-richness of the Meridian 1 system

Operates transparently to the end user when routing over the IP data network

Supports IP telephony applications and appliances today, allowing customers to migrate at the pace that makes sense for their environment

Offers a greater choice for desktop appliances by blending feature-rich voice processing with proven high reliability.

## Prerequisites

The Meridian ITG solution is available on Meridian 1 Options 11C, 11C Mini, 51C, 61C, 81, and 81C.

The Meridian 1 system on which the customer is installing the card must be running Release 25 software or greater.

MAT 6.6 or OTM 1.0 is a prerequisite and must be ordered separately.



For more information, please contact your local Nortel Networks account representative or call 1-800-4NORTEL (1-800-466-7835) or 1-506-674-5470. Nortel Networks, 8200 Dixie Road, Suite 100, Brampton, Ontario L6T 5P6 Canada

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